Bose® FreeSpace® 4400 System User Interfaces

Operating Guide

FreeSpace® 4400 System AVM 1-Zone User Interface
FreeSpace® 4400 System AVM 2-Zone User Interface
FreeSpace® 4400 System Page User Interface

BOSE®

Important Safety Instructions

For the intended audience

This guide has been written for professional installers of sound systems.

1. **Read these instructions – for all components before using this product.**
2. **Keep these instructions – for future reference.**
3. **Heed all warnings – on the product and in the installer's guide.**
4. **Follow all instructions.**
5. **Do not use this apparatus near water or moisture.**
6. **Clean only with a dry cloth – and as directed by Bose.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
8. **Do not install near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
9. **Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as: liquid has been spilled or objects have fallen into the apparatus; the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. Do not attempt to service this product yourself. Opening or removing covers may expose you to hazards. Please call Bose to be referred to an authorized service center near you.**
10. **See product enclosure for safety-related markings.**
11. **Only use attachments/accessories specified by the manufacturer.**

CAUTION: *Check local regulations before installing the Bose® FreeSpace® 4400 System AVM 1-Zone User Interface, FreeSpace® 4400 System AVM 2-Zone User Interface, and/or FreeSpace® 4400 System Page User Interface. The building code may require professional installation by a skilled technician or licensed contractor. Regional electrical codes may require similar qualifications for wiring the system.*

Please read this install guide

The Bose FreeSpace® 4400 System AVM 1-Zone User Interface, FreeSpace® 4400 System AVM 2-Zone User Interface, and FreeSpace® 4400 System Page User Interface are engineered to provide custom on-site controls for the FreeSpace® 4400 business music system. Please read this guide to help you install and use the interfaces correctly.

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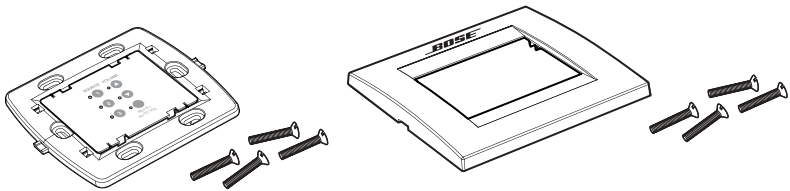
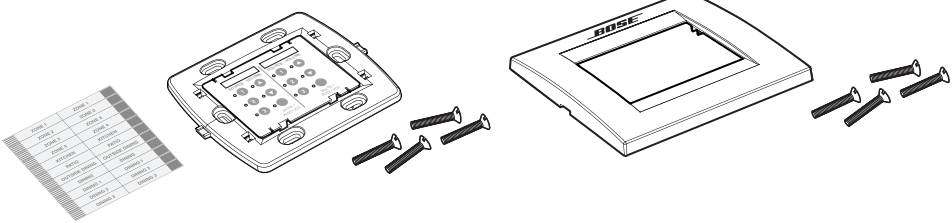
Provided in carton

FreeSpace® 4400 System AVM 1-Zone User Interface



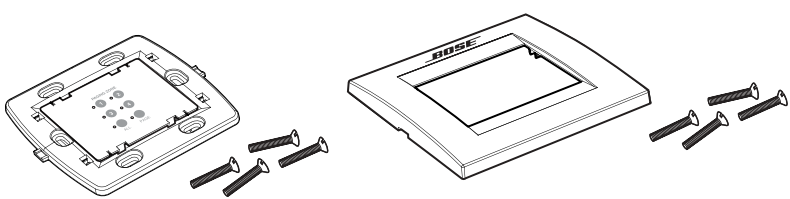
OR

FreeSpace® 4400 System AVM 2-Zone User Interface

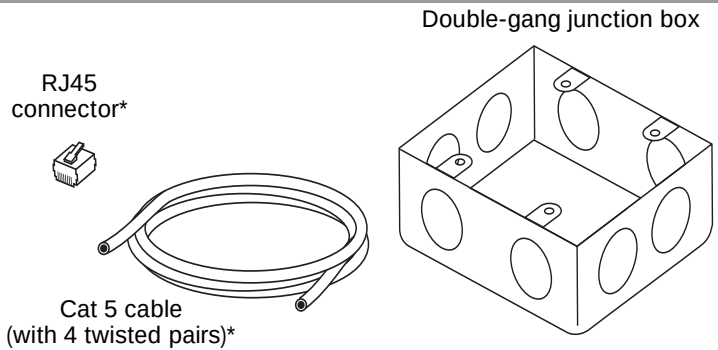


OR

FreeSpace® 4400 System Page User Interface



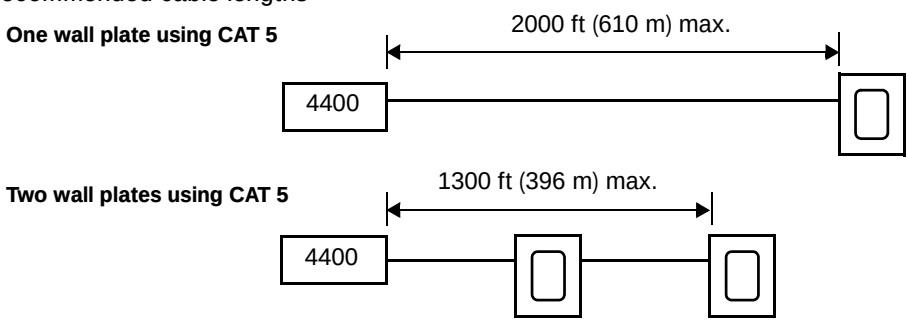
Also needed (not provided)



*FreeSpace® 4400 System AVM 2-Zone User Interface requires the use of two (2) RJ45 connectors and two (2) Cat 5 cables.

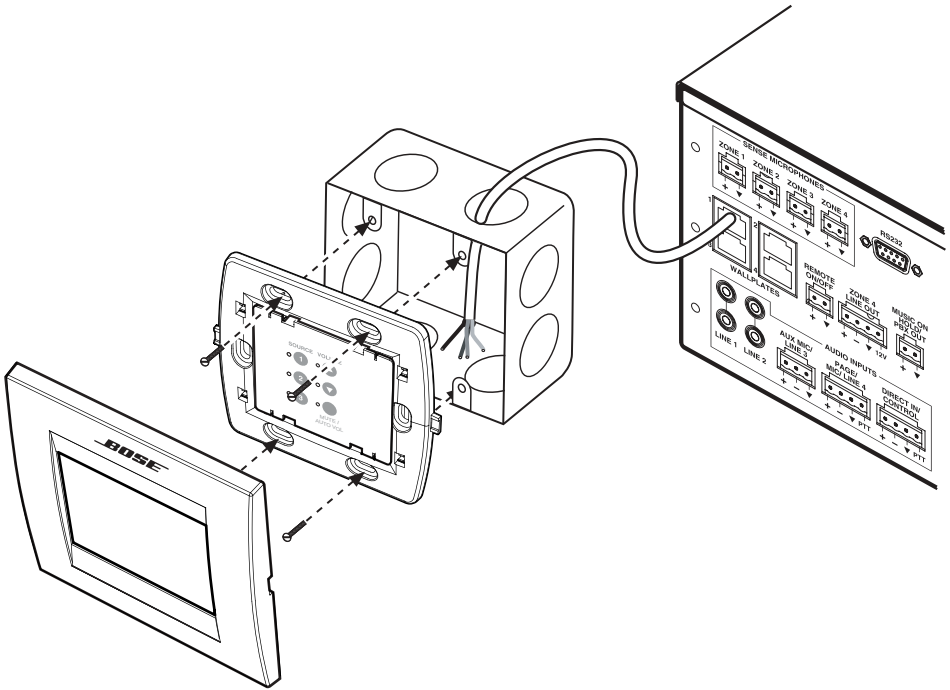
Note: *Cable for use in-wall must be CL or CM rated for the application (plenum use, riser use, general use etc.) per the National Electrical Code (NEC).*

Recommended cable lengths

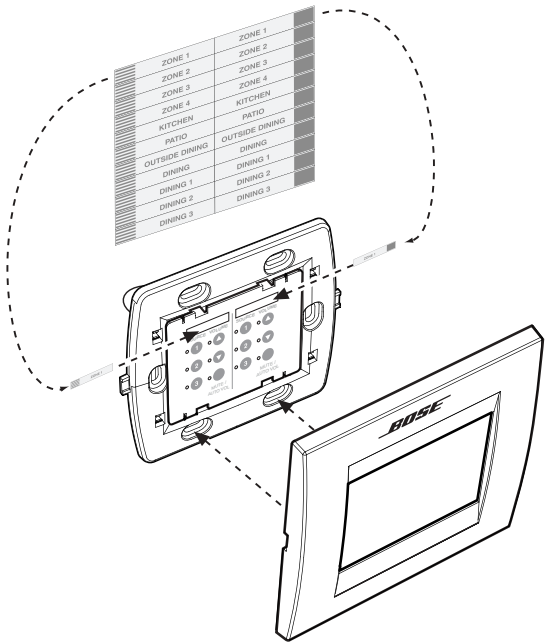


Note: *Only two (2) user interfaces can be connected in series.*

Assembly

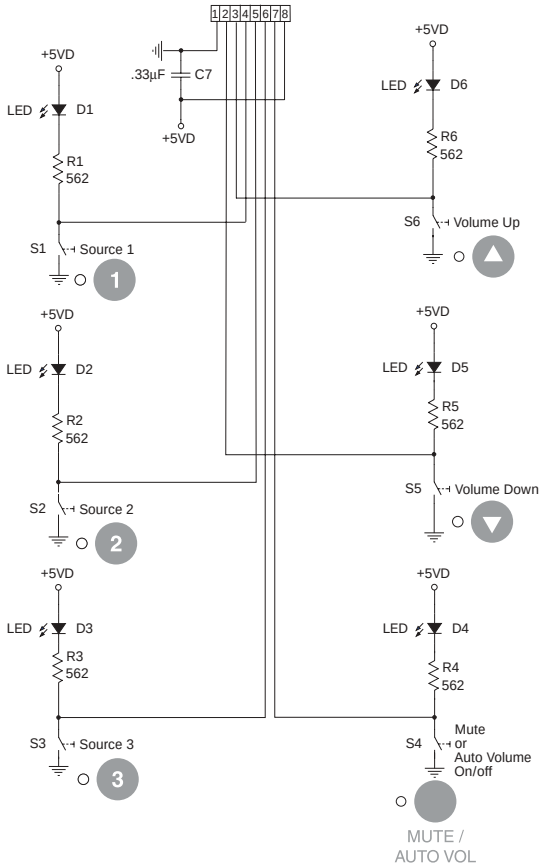

BOSE
ZONE 1
ZONE 2
ZONE 3
ZONE 4
SENSE MICROPHONES
RS232
WALLPLATES
REMOTE ON/OFF
ZONE 4 LINE OUT
MUSIC ON PAGE OUT
LINE 1
LINE 2
AUX MIC/ LINE 3
AUDIO INPUTS
PAGE/ MIC/ LINE 4
DIRECT PA/ CONTROL
PTT
12V

*Assembly**



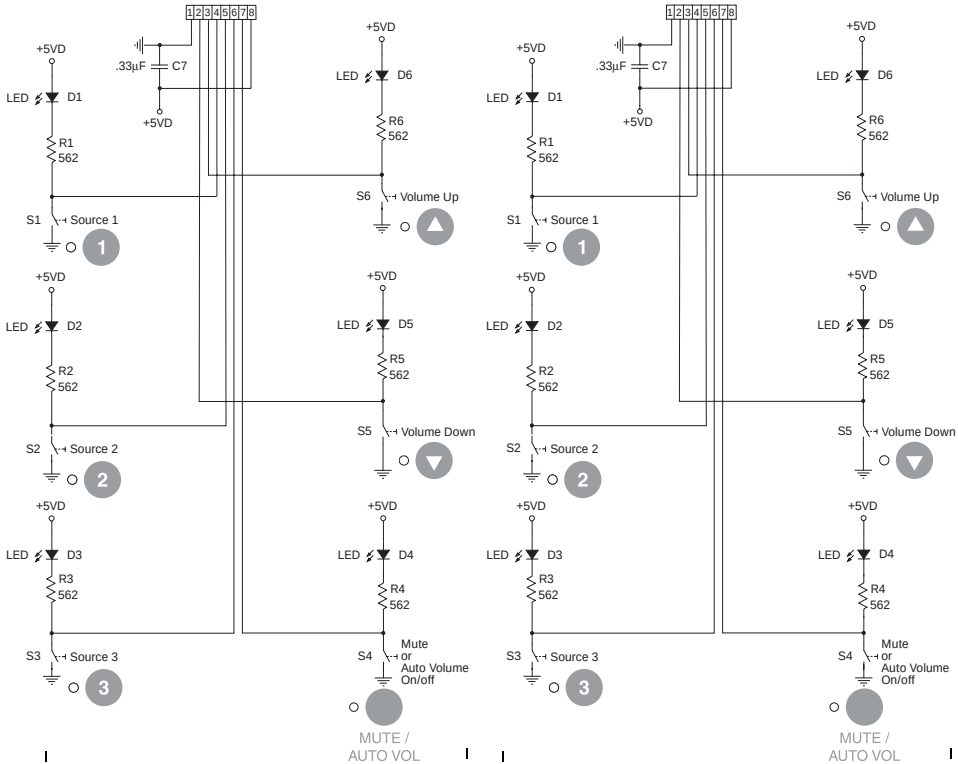
*For AVM 2-Zone user interface only.

User interface schematic - AVM 1-Zone (Auto Volume/Mute)



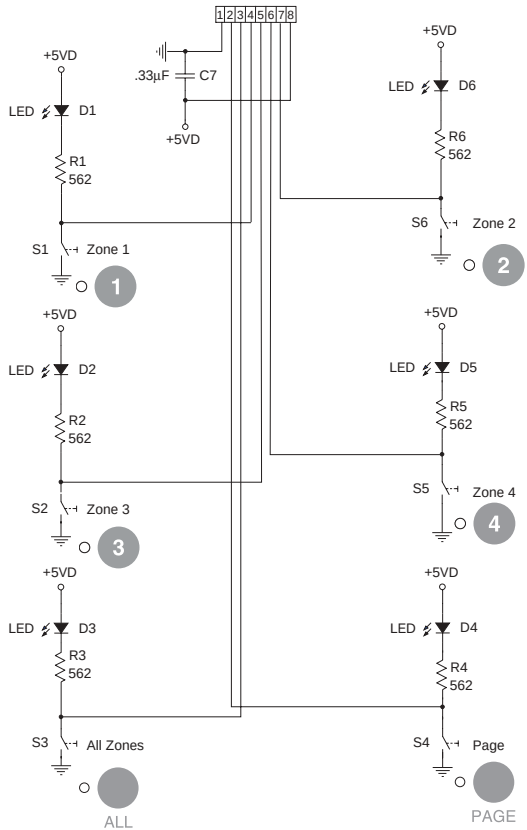
Wiring

User interface schematic - AVM 2-Zone (Auto Volume/Mute)



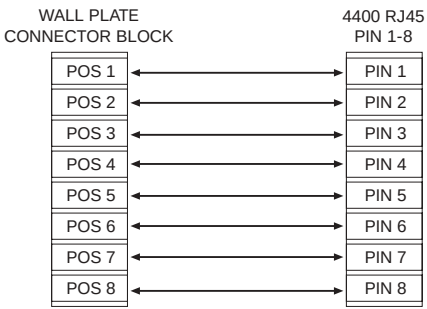
Wiring

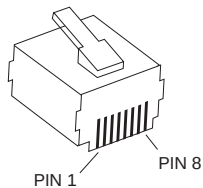
User interface schematic - Page user interface:



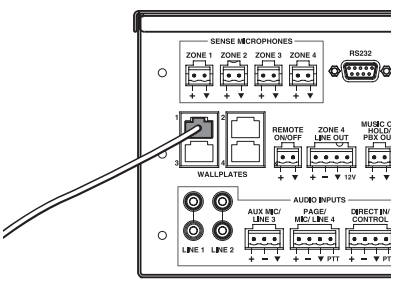
Wiring

Installer's Note: *Use only standard ethernet (Cat 5) cable which is acceptable by the local or national code to connect the user interface to the FreeSpace® 4400 system. DO NOT use crossover (XOV) cables.*





Connect the user interface from each zone to the appropriate WALL PLATE CONNECTION jack.

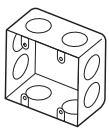


Using a junction box

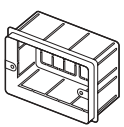
Install a double-gang electrical box for each user interface.

The Bose® FreeSpace® 4400 System AVM 1-Zone User Interface, FreeSpace® 4400 System AVM 2-Zone User Interface, and FreeSpace® 4400 System Page User Interface are designed to fit a North American, Japanese, Australian, and some European double-gang junction boxes.

- Mount a North American or Japanese box vertically, as shown.



- Mount a European or Australian box horizontally, as shown.



- Choose a location for each box that is convenient for the person using the controls.

- Install the junction box recessed slightly or flush to the surface of the finished wall.

CAUTION: *Do not install a FreeSpace® 4400 System AVM 1-Zone User Interface, FreeSpace® 4400 System AVM 2-Zone User Interface, or FreeSpace® 4400 System Page User Interface in a junction box that houses an AC power (mains) cord.*

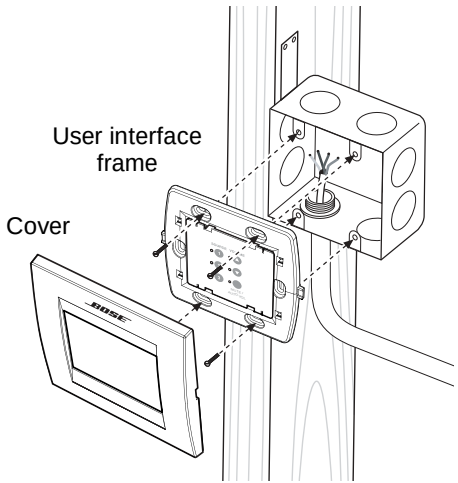
CAUTION: *Do not place the power cable in the same conduit with the mains wire. Install only in accordance with the national or local codes that are in effect. Consult your local AHJ (Authority Having Jurisdiction) for further information.*

Mounting

After connecting the wires, mount the user interface in the junction box.

Two sets of screws are provided. Use the screws that are appropriate for your junction box: Use #6 for North American boxes, or M4 for Japanese, European, and Australian boxes.

CAUTION: *Do not overtighten the screws. Overtightening may cause the frame to break.*



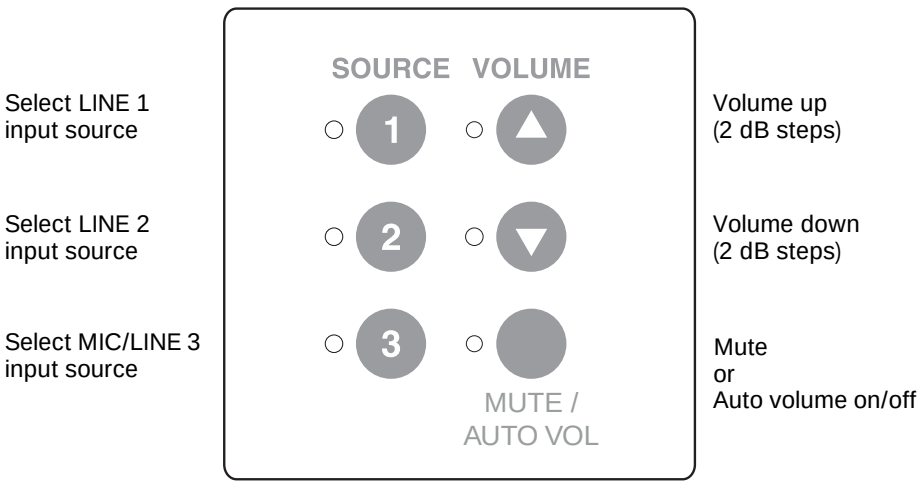
After securing the user interface frame to the junction box, snap the cover onto the frame.

To remove the cover, insert the flat head of a screwdriver into the slot on either side of the cover.

AVM (Auto Volume/Mute) User Interface Operation

The FreeSpace® 4400 System AVM 1-Zone User Interface and FreeSpace® 4400 System AVM 2-Zone User Interface provide source selection, volume up/down, and Mute or Auto Volume on/off controls.

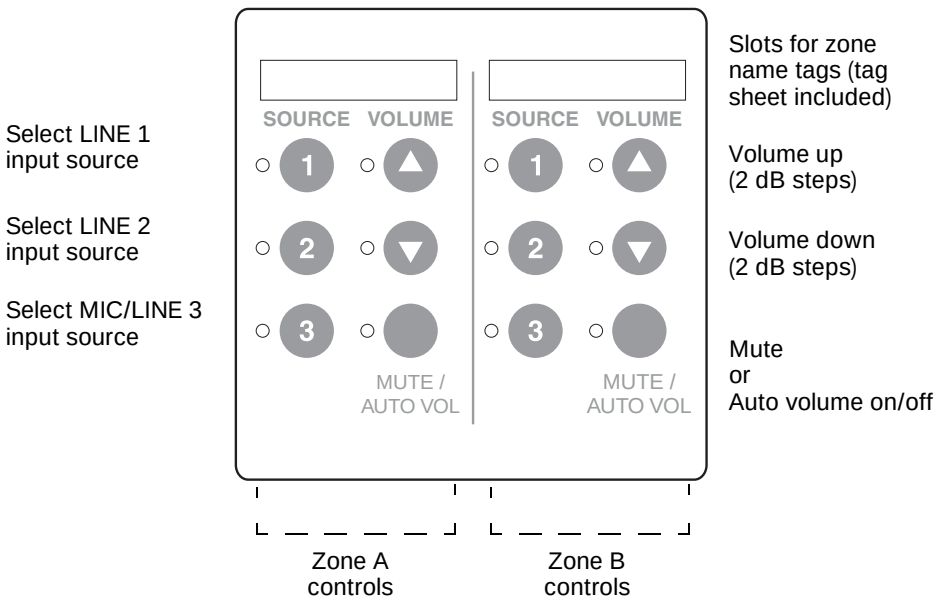
FreeSpace® 4400 System AVM 1-Zone User Interface



AVM (Auto Volume/Mute) User Interface Operation

The FreeSpace® 4400 System AVM 2-Zone User Interface provides two sets of source selection, volume up/down, and Mute or Auto Volume on/off controls for use with two zones.

FreeSpace® 4400 System AVM 2-Zone User Interface



AVM (Auto Volume/Mute) User Interface Operation

- Press **1**, **2**, or **3** to select the audio source connected to the LINE 1, LINE 2, or LINE 3 input, respectively. A green LED indicates the active source.
- Press ▲ (Volume up) or ▼ (Volume down) to increase or decrease the volume in 2 dB steps. Press and hold for continuous increase/decrease. The red LED lights when either button is pressed.
- The maximum/minimum volume setting is determined by the min./max. level stop settings in the Output Gain control pane.

When configured for AVM (Mute) operation:

- Press

(MUTE/AUTO VOL) to silence the listening area. When muted, a yellow LED flashes. Press again to restore the volume.

When configured for AVM (Auto Volume) operation:

- Press

(MUTE/AUTO VOL) to turn the Auto Volume function on or off. The yellow LED lights when Auto Volume is on.
- When the Auto Volume function is on, pressing ▲ (Volume up) or ▼ (Volume down) turns Auto Volume off.

  Press

to turn Auto Volume on again.

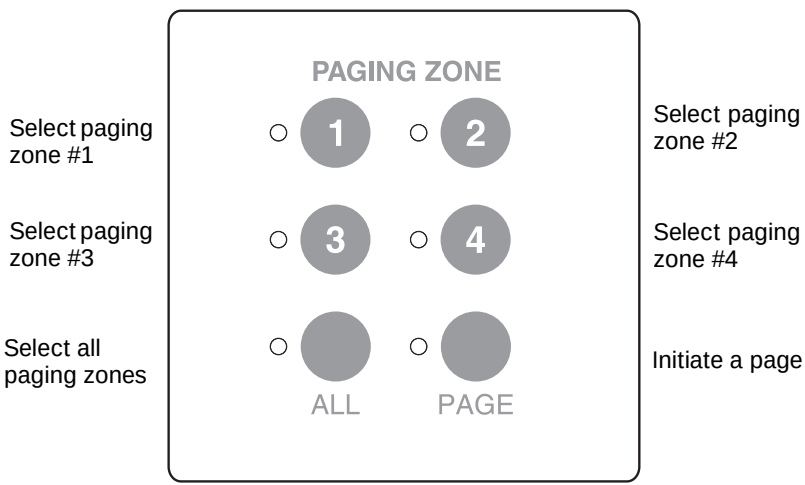
Note: *When Auto Volume is turned on again using the user interface, the system resets the volume to the Min. Gain level set using the FreeSpace® 4400 Installer® software .*

Page User Interface Operation

The page user interface provides keys to select single paging zones, all paging zones and initiate a page.

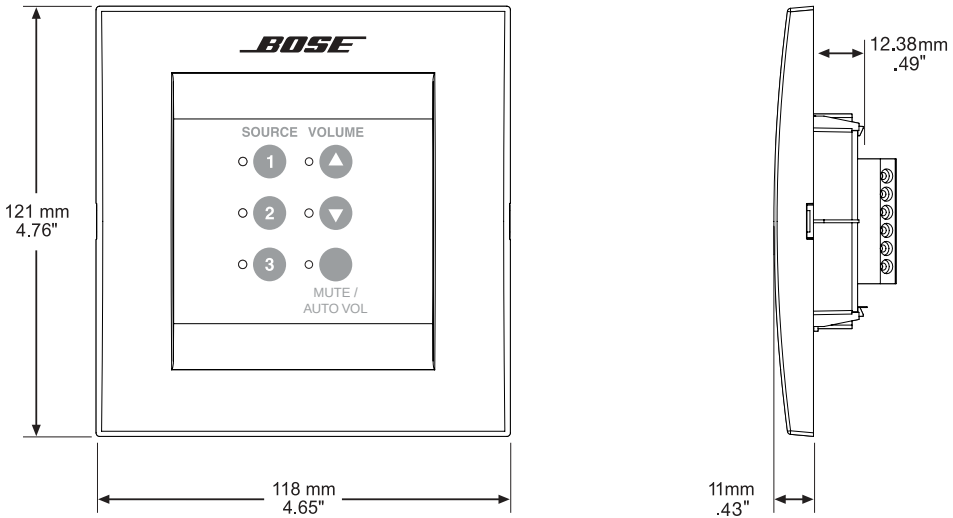
When mapped, the paging zone **1** button will select the lowest numbered output ZONE to which the PAGE source is assigned. The paging zone **2** button will select the next lowest numbered output ZONE to which the PAGE source is assigned, and so forth.

Page User Interface



- Press **1**, **2**, **3** or **4** to select a paging zone. A green LED flashes to indicate that the zone is selected for paging. After ending a page the LED turns off.
- Press **ALL** to select all paging zones.
- Press **PAGE** to initiate a page in systems that do not use a PTT (push to talk) microphone.

Dimensions



Note: *The Bose® FreeSpace® 4400 System AVM 2-Zone User Interface, and FreeSpace® 4400 System Page User Interface are the same dimensions as the FreeSpace® 4400 System AVM 1-Zone User Interface shown above.*

Limited Warranty

Bose® Product Sales Conditions
Limited Warranty Policy and Conditions of Sale

Bose Corporation
The Mountain, Framingham, MA 01701

What is covered:

All parts defective in material and workmanship. The Limited Warranty for the Bose® FreeSpace® 4400 System AVM 1-Zone User Interface, FreeSpace® 4400 System AVM 2-Zone User Interface, and FreeSpace® 4400 System Page User Interface covers the functionality of the product for its normal, intended use as specified in the Owner's Guide and does not cover any malfunction resulting from improper or unreasonable use or maintenance, accident, excess moisture, vermin or other animal damage, improper repacking, lightning, power surges or unauthorized tampering, alteration or modification not authorized by Bose or products purchased for an unauthorized dealer. Bose® systems are not designed to be used in every environment, so please review your Owner's Guide for specific limitations.

WHERE PERMITTED, THE PROVISIONS OF THIS LIMITED WARRANTY ARE IN LIEU OF ANY OTHER WRITTEN WARRANTY, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

For how long:

In countries where the duration of a warranty is not determined by statute, the Bose Limited Warranty lasts one year from the purchase date. For countries where minimum Warranty terms are determined by statute, the Limited Warranty term is the longer of the statutory period or one year. In the United States, if you qualify as a "consumer" under the Magnuson-Moss Warranty Act, then you may be entitled to any implied warranties allowed by law for the period of the express Limited Warranty set forth herein. Some places do not allow time limitations on an implied Limited Warranty, so the limitation may not apply to you.

What we will do:

We will repair or replace in our sole discretion defective parts within a reasonable period of time and free of charge (excludes shipping, costs, duties and taxes).

How you can obtain Limited Warranty service:

You can ship the system to either a Bose Service Agency or to Bose directly with a proof of purchase from an authorized dealer.

Please:

A. Properly and carefully pack the product for shipping. If you need a carton for shipping, contact Bose for a new carton.

B. Label and ship the product to the appropriate Bose location.

C. Contact Bose to get a return reference number. Place this number prominently on the outside of the carton.

Proof of purchase is not required where it is excluded by statute.

THIS LIMITED WARRANTY IS FULLY TRANSFERABLE PROVIDED THAT THE CURRENT OWNER FURNISHES THE ORIGINAL PROOF OF PURCHASE FROM AN AUTHORIZED BOSE DEALER. WHERE PERMITTED, THE MAXIMUM LIABILITY OF BOSE SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

FOR YOUR BENEFIT, WE RECOMMEND THAT YOU RECORD YOUR SERIAL NUMBERS(S), FOUND ON THE PRODUCT(S), AND OTHER PURCHASE INFORMATION, AND KEEP IT WITH YOUR PERSONAL RECORDS ALONG WITH PROOF OF PURCHASE. THIS INFORMATION WILL ALLOW US TO BETTER SERVE YOUR NEEDS.

THIS LIMITED WARANTY GIVES YOU SPECIFIC RIGHTS SUBJECT TO SPECIFIC CONDITIONS. YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM PLACE TO PLACE. THIS LIMITED WARRANTY ONLY APPLIES TO THE EXTENT THAT THE APPLICABLE LAW ALLOWS.

The laws of your state or country may provide you with additional legal claims against the seller or manufacturer of this product. The Limited Warranty does not affect those rights.

Remedies:

The provisions of this Limited Warranty are in lieu of any other warranties or conditions, except those provided by law.

This Limited Warranty does not affect any legal rights provided to you by law and does not preclude any legal remedy you may have under law.

This Limited Warranty is void if the label bearing the serial number has been removed or defaced.

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AM306641 Rev.00